

REMARKS/ARGUMENTS

Favorable reconsideration of this application in view of the above amendments and following remarks is respectfully requested.

Claims 13-32 are pending in this application. By this amendment, Claims 13, 17, 25 and 26 have been amended and Claims 27-32 have been added. It is respectfully submitted that no new matter has been entered.

In the outstanding Office Action, Claims 13-20 and 22 were rejected under 35 U.S.C. § 102(b) as being anticipated by Honma U.S. Patent No. 6,002,319; Claims 25-26 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Honma in view of Ogasawara et al. U.S. Patent Publication No. 2001/0004071; and Claims 23-24 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Honma. Claim 21 was objected to as being dependent upon a rejected base claim but was indicated as being allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Applicant has filed a request for foreign priority under 35 U.S.C. § 119 in the international convention based on Japanese Patent Application 2004-024319 filed January 30, 2004. It was noted in the Office Action that the claim for priority has not been acknowledged. It is respectfully requested that the claim for priority under 35 U.S.C. § 119 be acknowledged in the next Office communication.

Claims 13, 17, 25 and 26, the independent claims pending in the application, have been amended to include recitation of a coil having a slit with a predetermined width and a protrusion on the bobbin having a width dimension smaller than the width of the slit such that the protrusion can be fitted into the slit. The protrusion provides the advantage of preventing the windings of the coil from contacting one another and forming a short circuit if the coil is subject to vibration as may occur, by non-limiting example, when mounted in an automobile.

These features as recited in independent Claims 13, 17, 25 and 26 are neither disclosed by nor obvious over Honma or Ogasawara or Honma and Ogasawara taken together.

Honma fails to disclose windings separated by a protrusion to prevent contact between the windings in a situation in which vibration can occur. For example, referring to Figure 3 of Honma, the windings are made of wire and multiple turns of the windings are in physical contact with one another. Furthermore, a bobbin cannot be fitted into the windings after the winding loop is formed. This is in contrast to the claimed invention in which the winding is formed having a slit and a bobbin including a protrusion on the bobbin which can be fitted into the slit.

Ogasawara fails to cure these defects in the Honma disclosure. That is, Ogasawara also discloses a wire coil winding. Further, in Ogasawara, a bobbin cannot be fitted into the wire winding after the winding loop is formed.

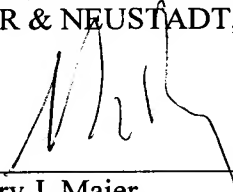
Accordingly, it is respectfully submitted that Claims 13, 17, 25 and 26 as amended are neither disclosed by nor obviated over Honma or Ogasawara. It is further submitted that dependant Claims 14-16, 18-24 and 27-32 are allowable for at least the reasons argued above with respect to the claims from which they depend. Withdrawal of the rejections of the claims under 35 U.S.C. §§ 102 or 103 is respectfully requested.

Consequently, for the reasons discussed in detail above, no further issues are believed to be outstanding in the present application and the present application is believed to be in condition for formal allowance. Therefore, a Notice of Allowance is earnestly solicited.

Should the Examiner deem that any further action is necessary to place this application in even better form for allowance, the Examiner is encouraged to contact the undersigned representative at the below-listed telephone number.

Respectfully submitted,

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